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Project PHaEDRA - Henrietta Swan Leavitt #26

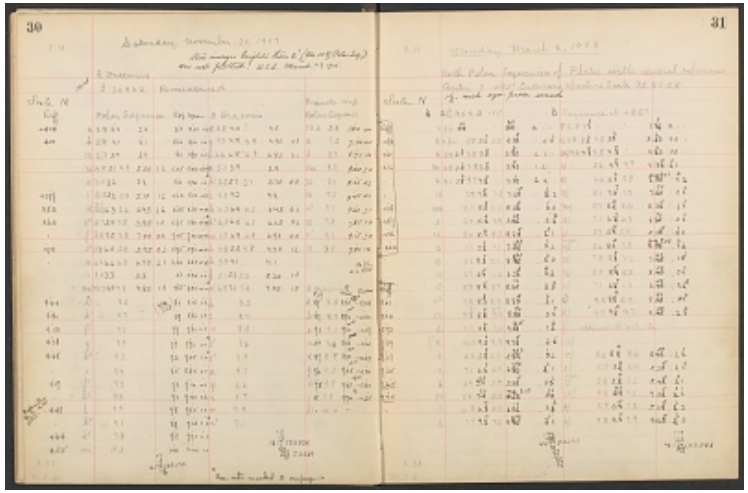
Extracted on Mar-29-2024 06:26:41

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30

3.15 Saturday, November 30, 1907

Star images brighter than c' (No. 10 of Polar Seq.) are not plotted.
H.S.L. March 23, 1915.

R Draconis

Copied I 34962 Remeasured

[[5 column table]]

Scale M | | | | Prismatic comp. |

Diff. | Polar Sequence | P.29 Mean | R Draconis | Polar Sequence |

[[strikethrough]] +404 [[\strikethrough]] a | 2.2 2.4 2.4 | 2.3 2.35 01 | d 3.8 4.0 4.0 | 13.6 3.8 380 00 | Diff

[[strikethrough]] 4.00 [[\strikethrough]] b | 3.9 4.1 4.1 | 4.10 4.10 00 | g 4.7 4.9 4.9 4.90 00 | a 7.3 7.30 00 | -0.91

12 | 3.7 3.9 3.9 | 4.0 3.95 10 | l 6.6 6.8 6.9 6.85 01 | b 8.7 8.75 10 | -0.65

16 | 4.9 5.1 4.9 5.00 | 11 5.05 5.02 02 03* | a 3.7 3.9 3.9 | 14a 9.3 9.2 10 | -0.50

10 | 3.0 3.2 3.2 | 3.2 3.2 00 | h^1 5.5 5.7 5.7 5.70 00 | 12 8.4 8.25 21 | •

+3.79 c' | 5.0 5.2 5.0 5.10 | 11 5.10 5.10 00,00 | c 4.0 4.2 4.2 | 16 9.5 6.45 01 | •

3.82 d | 6.1 6.3 6.6 6.45 | 12 6.25 6.35 10 10 | k 6.2 6.4 6.5 | c^2 9.7 9.60 11 | -0.18

3.62 c^2 | 5.7 5.9 5.8 5.85 | 5.75 5.80 05 05 | h^2 6.0 6.2 6.1 | 10 7.8 7.85 10 | -0.87

f^1 | 6.8 7.0 7.0 7.00 | 7.05 7.02 02 03 | m 6.7 6.9 6.9 00 | c^1 9.1 9.15 10 | -0.26

3.78 c^3 | 5.8 6.0 5.9 5.95 | 5.95 5.95 00 00 | i 4.8 5.0 4.8 4.90 11 | 11 7.9 7.80 10 | -0.62

e | 6.4 6.6 6.8 6.7 | 6.60 6.65 05 05 | b 3.9 4.1 4.1 |

11 | 3.1 3.3 3.3 | 3.3 3.3 0 0 | f 5.1 5.3 5.2 5.25 10 |

14a | 4.7 4.9 4.8 4.85 | 10 4.85 4.85 00 00 | n^1 6.9 7.1 7.0 7.05 10 | R Draconis P.29 | P Mean | Curve | Magn. [[strikethrough]] Diff.

[[\strikethrough]]

4.44 h | 8.2 | 16)12±08 8.1 8.15 01 | h 8.3 | d 8.7 8.8 | 8.75 05 05 | -0.54 | 8.21

4.40 k^1 | 8.7 | 8.9 8.80 11 | t 9.7 | b 8.9 8.9 | 8.90 | -0.50 00 00 | 8.40

4.121 f^3 | 7.7 | 7.9 7.80 11 | s 9.0 | i 9.3 9.3 | 9.30 00 00 | -0.37 | 8.93

4.38 g | 7.9 | 7.9 7.9 0 0 | o^1 7.6 | a 8.4 8.6 | 8.50 1010 | -0.61 | 7.89

4.48 k^3 | 9.3 | 9.2 9.25 10 | o^2 7.9 | c 8.7 8.9 | 8.80 1010 | -0.53 | 8.27

. i | 8.4 | 8.5 8.45 01 | n 9.7 | g 9.6 9.5 9.55 05 05 | -0.30 | 9.25

4.19 f^2 | 7.3 | 7.3 7.30 00 | q 8.6 | h^1 9.8 9.9 | 9.85 05 05 | -0.20 | 9.65

k^4 | 9.3 | 9.1 9.20 11 | r 8.9 | f R. 9.7 | 9.7 a | -0.25 | 9.45

Supplementary star 9s: to be plotted? -4.48 I | 9.9 | 9.8 9.85 10 | w 9.9 | h^2 m.s.| • | • | •

. k^2 | 9.1 | 8.9 9.00 11 | n^2 7.1 |

4.44 k^5 | 9.8 | 9.7 9.75 01 | | |

4.55 m | 10.0 | 10.0 10.00 00 | | |

3.35

[[formula]] [[formula]]

M.E.H.
*See note marked ± on page 10

31

[[underlined]] Monday, March 2, 1908 [[/underlined]]

3.00

North Polar Sequences of Plates with several exposures

Center 0 +90° Ordinary aperture Scale AC 8858

[[5 column table]]

Scale N | 1 1/2-inch eye-piece used

A AC 9043 +90° | B Sequence at +85°

1|1.2 1.0 [[strikethrough]] 0.9 [[\strikethrough]]|1.0 [[strikethrough]] 0.9
[[\strikethrough]] a . .|T) 2.0 1.8 [[strikethrough]].7[[\strikethrough]]
|1.80 [[strikethrough]].70[[\strikethrough]] a . . |

8|t. faint 5.8 5.4 [[strikethrough]].3[[\strikethrough]] 5.3|5.35
[[strikethrough]].30[[\strikethrough]] . 0 [[strikethrough]] 0
[[\strikethrough]] [[underline]] 1 [[\underline]]|2) 3.8 3.6
[[strikethrough]].5[[\strikethrough]] 4.0 3.6
[[strikethrough]].5[[\strikethrough]]|3.60
[[strikethrough]].50[[\strikethrough]] 0 0 . |

2|3.4 3.2 [[strikethrough]].1[[\strikethrough]] 3.8 3.4
[[strikethrough]].3[[\strikethrough]]|3.30
[[strikethrough]].20[[\strikethrough]] [[underline]] 1 [[\underline]] 1 . |3a)
4.6 4.4 [[strikethrough]].3[[\strikethrough]] 4.8 4.4
[[strikethrough]].3[[\strikethrough]]|4.40
[[strikethrough]].30[[\strikethrough]] 0 0 . |

3a|3.8 3.6 [[strikethrough]].5[[\strikethrough]] 3.8 3.4
[[strikethrough]].3[[\strikethrough]]|3.50
[[strikethrough]].40[[\strikethrough]] 1 [[underline]] 1 [[\underline]] . |4)
5.2 4.8 [[strikethrough]].7[[\strikethrough]] 4.9|4.85
[[strikethrough]].80[[\strikethrough]] . 0 [[strikethrough]] 1
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4|4.1 3.9 [[strikethrough]].8[[\strikethrough]] 4.7 4.3
[[strikethrough]].2[[\strikethrough]]|4.10
[[strikethrough]].00[[\strikethrough]] [[underline]] 2 [[\underline]] 2 . |8) 6.6
6.2 [[strikethrough]].1[[\strikethrough]] 5.8|6.00 [[strikethrough]] 6.05 5.9
[[\strikethrough]] [[strikethrough]] 1 [[\strikethrough]] 2 [[underline]] 2
[[\underline]]|

13|7.9 7.5 [[strikethrough]].4[[\strikethrough]] 7.8|7.65
[[strikethrough]].60[[\strikethrough]] . [[underline]] 1 [[\underline]]
[[strikethrough]] 2 [[\strikethrough]] 2|13) 8.1 7.7
[[strikethrough]].6[[\strikethrough]] 7.7|7.70
[[strikethrough]].65[[\strikethrough]] . 0 [[strikethrough]] 1
[[\strikethrough]] 0|

14a|8.5 8.1 [[strikethrough]].0[[\strikethrough]] 8.0|8.05
[[strikethrough]].00[[\strikethrough]] . 1 [[strikethrough]] 0
[[\strikethrough]] 0|14a) 8.7 8.3 [[strikethrough]].2[[\strikethrough]]
8.4|8.35 [[strikethrough]].30[[\strikethrough]] . [[underline]] 1 [[\underline]]
[[strikethrough]] 1 [[\strikethrough]] 0|

5|5.7 5.3 [[strikethrough]].2[[\strikethrough]] 4.9|5.10
[[strikethrough]].05[[\strikethrough]] . 2 [[strikethrough]] 1
[[\strikethrough]] [[underline]] 2 [[\underline]]|10) 7.1 6.7
[[strikethrough]].6[[\strikethrough]] 6.7|6.70
[[strikethrough]].65[[\strikethrough]] . 0 [[strikethrough]] 1
[[\strikethrough]] 0|

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16|8.6 8.2 [[strikethrough]].1[[\strikethrough]] 8.3|8.25
[[strikethrough]].20[[\strikethrough]] . 0 [[strikethrough]] 1
[[\strikethrough]] 1|6) 5.9 5.5 [[strikethrough]].4[[\strikethrough]] 5.4|5.45
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1 0|

12|7.7 7.3 [[strikethrough]].2[[\strikethrough]] 7.1|7.20
[[strikethrough]].25[[\strikethrough]] . 1 [[strikethrough]] 0
[[\strikethrough]] [[underline]] 1 [[\underline]]|14) ^[[im poor]] 8.6 8.2
[[strikethrough]].1[[\strikethrough]] 7.8|8.00 [[strikethrough]] 8.05 7.9
[[\strikethrough]] . 2 [[strikethrough]] 1 [[\strikethrough]] [[underline]] 2
[[\underline]]|

15|8.8 8.4 [[strikethrough]].3[[\strikethrough]] 8.4|8.40
[[strikethrough]].45[[\strikethrough]] . 0 [[strikethrough]] 1
[[\strikethrough]] 0|12) 7.8 7.4 [[strikethrough]].3[[\strikethrough]] 7.2|7.30
[[strikethrough]].25[[\strikethrough]] . 1 [[strikethrough]] 0
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10|6.9 6.5 [[strikethrough]].4[[\strikethrough]] 6.0|6.25
[[strikethrough]].20[[\strikethrough]] . 3 [[strikethrough]] 2
[[\strikethrough]] [[underline]] 2 [[\underline]]|16) 8.9 8.5
[[strikethrough]].4[[\strikethrough]] 8.5|8.50
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[[\strikethrough]] 0|

c^[[2]]|8.9 8.5 [[strikethrough]].4[[\strikethrough]] 8.9|8.70
[[strikethrough]].65[[\strikethrough]] . [[underline]] 2 [[\underline]]
[[strikethrough]] 3 [[\strikethrough]] 2|11) 7.1 6.7
[[strikethrough]].6[[\strikethrough]] 6.3|6.50
[[strikethrough]].45[[\strikethrough]] . 2 [[strikethrough]] 1
[[\strikethrough]] [[underline]] 2 [[\underline]]|

c^[[3]]|9.2 8.8 [[strikethrough]].7[[\strikethrough]] 8.9|8.85
[[strikethrough]].80[[\strikethrough]] . 0 [[strikethrough]] 1
[[\strikethrough]] 1|c^[[2]]) 9.3 8.9 [[strikethrough]].8[[\strikethrough]]
8.9|8.90 [[strikethrough]].85[[\strikethrough]] . 0 [[strikethrough]] 1
[[\strikethrough]] 0|

17|9.3 [[strikethrough]].8[[\strikethrough]] 8.9
[[strikethrough]].8[[\strikethrough]] 8.9 [[strikethrough]] 9.7
[[\strikethrough]]|8.90 [[strikethrough]].85[[\strikethrough]] . 0
[[strikethrough]] 1 [[\strikethrough]] 0|d) 9.7 9.3
[[strikethrough]].2[[\strikethrough]] 9.7|9.50
[[strikethrough]].45[[\strikethrough]] . [[underline]] 2 [[\underline]]
[[strikethrough]] 3 [[\strikethrough]] 2|

d|9.7 9.3 [[strikethrough]].2[[\strikethrough]] 9.0|9.15 [[strikethrough]].10
2 [[\strikethrough]] . 1 [[strikethrough]] 1 [[\strikethrough]] [[underline]] 2
[[\underline]]|f^[[1]]) superposed with another star| |

f^[[1]] [[strikethrough]] e [[\strikethrough]]|10.0 9.6
[[strikethrough]].5[[\strikethrough]] 9.9|9.75
[[strikethrough]].70[[\strikethrough]] . [[underline]] 2 [[\underline]]
[[strikethrough]] 2 [[\strikethrough]] 1|17) | |

9|6.3 5.9 [[strikethrough]].8[[\strikethrough]] 5.7|5.80 [[strikethrough]].83
7 [[\strikethrough]] . [[underline]] 1 [[\underline]] [[strikethrough]] 2
[[\strikethrough]] 1|15) 8.8 8.4 [[strikethrough]].3[[\strikethrough]] 8.6|8.50
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11|7.1 6.7 [[strikethrough]].6[[\strikethrough]] 6.9|6.80 [[strikethrough]].83
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[[\underline]] 1|5) 5.7 5.3 [[strikethrough]].2[[\strikethrough]] 5.4|5.35
[[strikethrough]].30[[\strikethrough]] . [[underline]] 1 [[\underline]]
[[strikethrough]] 1 [[\strikethrough]] 0|

6|6.4 6.0 [[strikethrough]] 5.9 [[\strikethrough]] 5.9|5.95
[[strikethrough]].90[[\strikethrough]] . 0 [[underline]] 1 [[\underline]]
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[[strikethrough]].3[[\strikethrough]] 5.5|5.45
[[strikethrough]].40[[\strikethrough]] . [[strikethrough]] 1 [[\strikethrough]]
0 1|

14|8.4 8.0 [[strikethrough]] 7.9 [[\strikethrough]] 8.0|8.00 [[strikethrough]]
8.05 7.9 [[\strikethrough]] . 0 0 [[strikethrough]] 1 0
[[\strikethrough]]|c^[[3]]) 9.4 9.0 [[strikethrough]]8.9[[\strikethrough]]
9.1|9.05 [[strikethrough]].00[[\strikethrough]] [[strikethrough]] 1 1
[[\strikethrough]] 0 1|

7|6.8 6.4 [[strikethrough]].3[[\strikethrough]] 5.8|6.10
[[strikethrough]].05[[\strikethrough]] . 3 [[strikethrough]] 2
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[[strikethrough]].4[[\strikethrough]] 5.8|5.65
[[strikethrough]].60[[\strikethrough]] . [[strikethrough]] 2 [[\strikethrough]]
[[underline]] 1 [[\underline]] 2|

e|9.7 9.3 [[strikethrough]].2[[\strikethrough]] 9.5|9.40 [[strikethrough]].45
3 [[\strikethrough]] . [[strikethrough]] 2 [[\strikethrough]] [[underline]] 1
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[[strikethrough]].60[[\strikethrough]] [[strikethrough]] 3 [[\strikethrough]]
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[[equation]] [[equation]]

3.30
M.E.H.

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